## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18370

A. CLASSIFICATION OF SUBJECT MATTER	101/0304/183/0	
) PC(/) : G0IN 21/00, 35/08: C12M 1/36		
US CL : 422/82; 435/286.5; 436/53; 204/453		
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)  U.S.: 422/82; 435/286.5; 436/53; 204/453		
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Documentation		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
VI.63		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where	appropriate of the relevant pages	
X US 2002/0142471 A1 (HANDIQUE et al.) 03 Oct	ober 2002, see description of figure 4	Relevant to claim No.
!		1,10
A US 6,130,098 A (HANDIQUE et al.) 10 October	US 6,130,098 A (HANDIQUE et al.) 10 October 2000, see description of figures 3a and 1-32	
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ob 5,155,115 A (ROFT-SILL et al.) 21 November	US 6,150,119 A (KOPF-SILL et al.) 21 November 2000, see description of figure 3a.	
A US 6,524,456 B1 (RAMSEY et al.) 25 February 2	US 6,524,456 B1 (RAMSEY et al.) 25 February 2003, see description of figures 1a-1c.	
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Further documents are listed in the continuation of Box C.		
* Special categories of cited documents:	See patent family aranex.	
	"T" later document published after the inter	national filing date or priority
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the applicate principle or theory underlying the investigation.	HIATI but aited to med
	"X" document of particular relevance; the c	
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specified)	document of particular relevance; the c	laimed invention cannot be
"O" document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive step combined with one or more other such	documents such combined: 1
	being obvious to a person skilled in the	art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent fa	ımily
Date of the actual completion of the international search  Date of mailing of the international search		
The state of the factorial search report		
18 January 2005 (18.01.2005)  Name and mailing address of the ISA/US  Authorized officer		
Mail Stop PCT, Attn: ISA/US  Authorized officer		
Commissioner for Patents	Robert Warden	ITTILL
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 571-272-1700	
Facsimile No. (703) 305-3230		ron
orm PCT/ISA/210 (second sheet) (July 1998)		ĺ